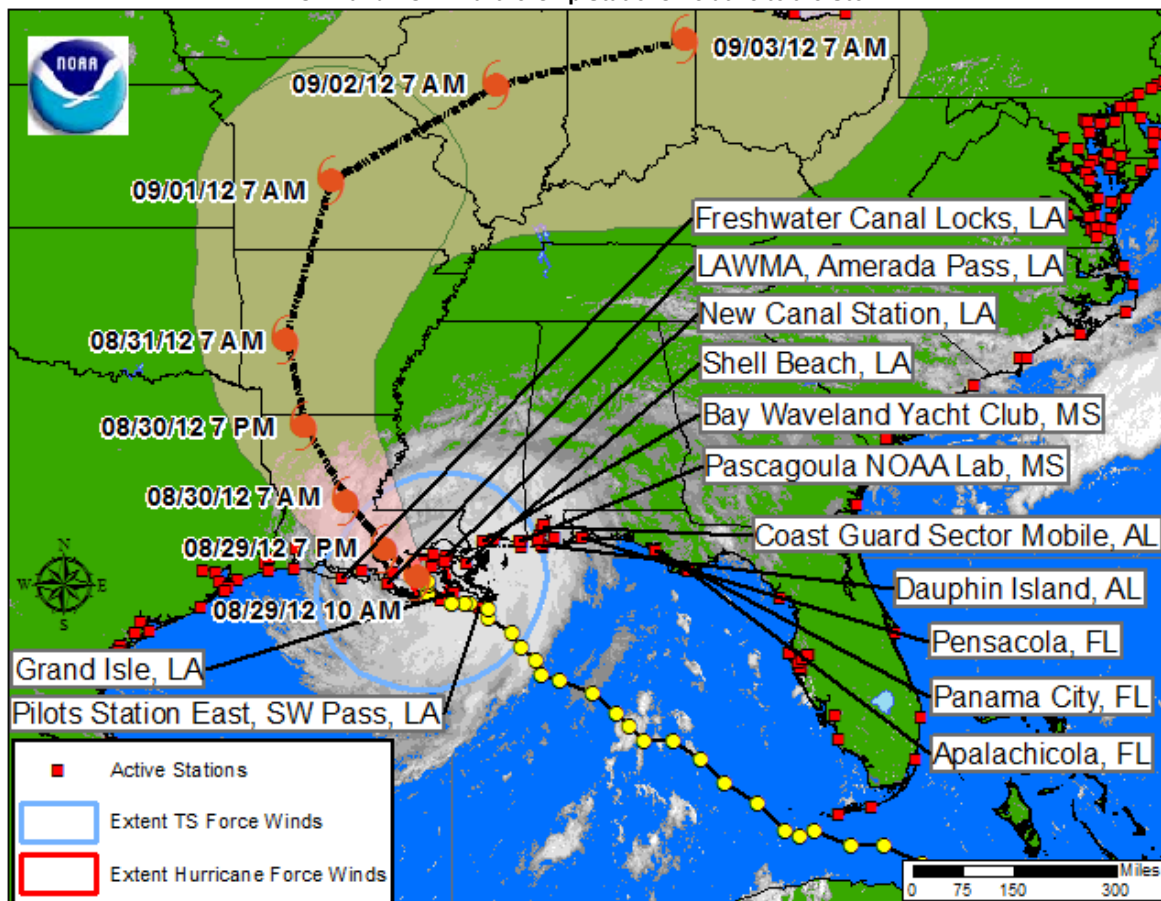




Hurricane ISAAC QuickLook Posted: 11:00 CDT 08/29/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

..ISAAC MAKES LANDFALL IN EXTREME SOUTHEASTERN LOUISIANA...

As of 08/29/2012 11:00 CDT, water levels along the Gulf coast from Alabama to Louisiana continue to rise. Water levels from Dauphin Island, AL to Shell Beach, LA range from 2.8 to 8.2 feet above tidal predictions, with water levels at Shell Beach showing the most significant impacts, measuring 8.2 feet above tidal predictions. Water levels along southeastern Louisiana from Pilots Station to Grand Isle are elevated between 2.6 and 3.8 feet above tidal predictions. Water levels at New Canal Station, LA near Lake Pontchartrain are over 5.3 feet above tidal predictions. Water levels at stations west of the storm track are 0.8-2.0 feet below tidal predictions. Water levels along the Florida panhandle have begun to fall, however they remain 2.0 to 2.2 feet above tidal predictions.

Winds from Alabama to southeastern Louisiana are increased and generally range from 30 to 50 knots, with gusts up to 60 knots from Shell Beach, LA to Grand Isle, LA. Winds along the Florida panhandle are decreasing and range from 12 to 20 knots. Barometric pressure from Shell Beach, LA to the east started to rise. It continues to fall at Louisiana stations to the west of the storm track.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to [Mean Lower Low Water](#) are:

Bay Waveland Yacht Club, MS: Next predicted high tides are 1.7 ft (0.53 m) at 08/30/2012 12:14 CDT and 1.0 ft (0.31 m) at 08/31/2012 04:15 CDT.

Shell Beach, LA: Next predicted high tides are 1.3 ft (0.41 m) at 08/29/2012 12:45 CDT and 1.2 ft (0.37 m) at 08/30/2012 14:26 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.4 ft (0.43 m) at 08/30/2012 09:26 CDT and 1.2 ft (0.38 m) at 08/31/2012 10:13 CDT.

Grand Isle, LA: Next predicted high tides are 1.2 ft (0.38 m) at 08/30/2012 10:21 CDT and 1.2 ft (0.38 m) at 08/31/2012 10:13 CDT.

New Canal Station, LA: Next predicted high tides are 0.4 ft (0.12 m) at 08/29/2012 18:54 CDT and 0.4 ft (0.11 m) at 08/30/2012 19:18 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.4 ft (0.43 m) at 08/30/2012 11:03 CDT and 0.5 ft (0.15 m) at 08/31/2012 01:55 CDT.

Coast Guard Sector Mobile, AL: Next predicted high tides are 1.5 ft (0.47 m) at 08/29/2012 11:34 CDT and 1.4 ft (0.44 m) at 08/30/2012 12:26 CDT.

Dauphin Island, AL: Next predicted high tides are 1.4 ft (0.42 m) at 08/30/2012 10:20 CDT and 1.4 ft (0.44 m) at 08/30/2012 12:26 CDT.

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.3 ft (0.39 m) at 08/29/2012 14:24 CDT and 1.4 ft (0.42 m) at 08/30/2012 04:37 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 1.8 ft (0.55 m) at 08/29/2012 12:20 CDT and 2.0 ft (0.62 m) at 08/30/2012 03:25 CDT.

Pensacola, FL: Next predicted high tides are 1.5 ft (0.46 m) at 08/30/2012 11:08 CDT and 2.0 ft (0.62 m) at 08/30/2012 03:25 CDT.

Panama City, FL: Next predicted high tides are 1.5 ft (0.47 m) at 08/30/2012 10:21 CDT and 2.0 ft (0.62 m) at 08/30/2012 03:25 CDT.

Apalachicola, FL: Next predicted high tides are 1.9 ft (0.57 m) at 08/29/2012 14:24 EDT and 1.6 ft (0.48 m) at 08/30/2012 04:47 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:KG

SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

HURRICANE ISAAC ADVISORY NUMBER 34
1000 AM CDT WED AUG 29 2012

...ISAAC DRENCHING SOUTHEASTERN LOUISIANA...DANGEROUS STORM SURGE AND
FLOOD THREAT FROM HEAVY RAINS LIKELY TO CONTINUE THROUGH TONIGHT...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WARNING HAS BEEN DISCONTINUED EAST OF THE ALABAMA-
FLORIDA BORDER.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

* EAST OF MORGAN CITY LOUISIANA TO THE MISSISSIPPI-ALABAMA BORDER...
INCLUDING METROPOLITAN NEW ORLEANS... LAKE PONTCHARTRAIN...AND LAKE
MAUREPAS

A HURRICANE WATCH IS IN EFFECT FOR...

* INTRACOASTAL CITY TO MORGAN CITY LOUISIANA

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * EAST OF THE MISSISSIPPI-ALABAMA BORDER TO THE ALABAMA-FLORIDA BORDER
- * MORGAN CITY TO SABINE PASS TEXAS

A TROPICAL STORM WATCH IS IN EFFECT FOR...

- * EAST OF HIGH ISLAND TEXAS TO JUST WEST OF SABINE PASS

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1000 AM CDT...THE CENTER OF HURRICANE ISAAC WAS LOCATED BY NOAA DOPPLER WEATHER RADAR NEAR LATITUDE 29.6 NORTH...
LONGITUDE 90.7 WEST...OR VERY NEAR HOUMA LOUISIANA. ISAAC IS MOVING TOWARD THE NORTHWEST NEAR 6 MPH. THIS GENERAL MOTION IS EXPECTED TO CONTINUE THROUGH TONIGHT... FOLLOWED BY A TURN TOWARD THE NORTH-NORTHWEST BY THURSDAY NIGHT OR EARLY FRIDAY. ON THE FORECAST TRACK...THE CENTER OF ISAAC WILL MOVE FARTHER INLAND OVER LOUISIANA TODAY AND TOMORROW...AND OVER SOUTHERN ARKANSAS BY EARLY FRIDAY.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 75 MPH... WITH HIGHER GUSTS. ISAAC IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON HURRICANE WIND SCALE. GRADUAL WEAKENING IS FORECAST DURING THE NEXT 48 HOURS AS ISAAC CONTINUES MOVING FARTHER INLAND... AND ISAAC IS EXPECTED TO WEAKEN TO A TROPICAL STORM LATER TODAY.

HURRICANE-FORCE WINDS EXTEND OUTWARD UP TO 45 MILES...FROM THE CENTER...AND TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 175 MILES.

A GUST TO 74 MPH WAS RECENTLY REPORTED AT THE MID LAKE STATION IN LAKE PONTCHARTRAIN...AND A WIND GUST TO 63 MPH WAS REPORTED AT NEW ORLEANS INTERNATIONAL AIRPORT.

THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON NEARBY SURFACE OBSERVATIONS IS 972 MB.

HAZARDS AFFECTING LAND

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

- * MISSISSIPPI AND SOUTHEASTERN LOUISIANA...6 TO 12 FT
- * ALABAMA...3 TO 6 FT
- * SOUTH-CENTRAL LOUISIANA...3 TO 6 FT
- * FLORIDA PANHANDLE AND APALACHEE BAY...2 TO 4 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE WINDS. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE... AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER SERVICE OFFICE. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE AND DANGEROUS WAVES.

STORM SURGE VALUES OF NEAR 8 FEET HAVE RECENTLY BEEN REPORTED AT SHELL BEACH LOUISIANA AND WAVELAND MISSISSIPPI.

WIND...TROPICAL STORM CONDITIONS WILL CONTINUE ACROSS THE WARNING AREA TODAY...AND HURRICANE CONDITIONS WILL CONTINUE TO AFFECT PORTIONS OF SOUTHEASTERN LOUISIANA AND MISSISSIPPI IN THE HURRICANE WARNING AREA INTO THIS AFTERNOON.

WINDS AFFECTING THE UPPER FLOORS OF HIGH-RISE BUILDINGS WILL BE SIGNIFICANTLY STRONGER THAN THOSE NEAR GROUND LEVEL. AT ABOUT THE 30TH STORY...WINDS WOULD LIKELY BE ONE SAFFIR-SIMPSON CATEGORY STRONGER THAN AT THE SURFACE.

RAINFALL...ISAAC IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 7 TO 14 INCHES... WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 20 INCHES...OVER MUCH OF LOUISIANA... SOUTHERN MISSISSIPPI...AND SOUTHWEST ALABAMA THROUGH FRIDAY MORNING. THESE RAINS COULD RESULT IN SIGNIFICANT LOWLAND FLOODING. RAINS ARE EXPECTED TO INCREASE NORTHWARD INTO ARKANSAS ON THURSDAY... WITH AMOUNTS OF 3 TO 6 INCHES EXPECTED OVER SOUTHERN ARKANSAS BY FRIDAY MORNING.

TORNADOES...ISOLATED TORNADOES ARE POSSIBLE ALONG THE CENTRAL GULF COAST REGION AND PARTS OF THE LOWER MISSISSIPPI RIVER VALLEY THROUGH THURSDAY.

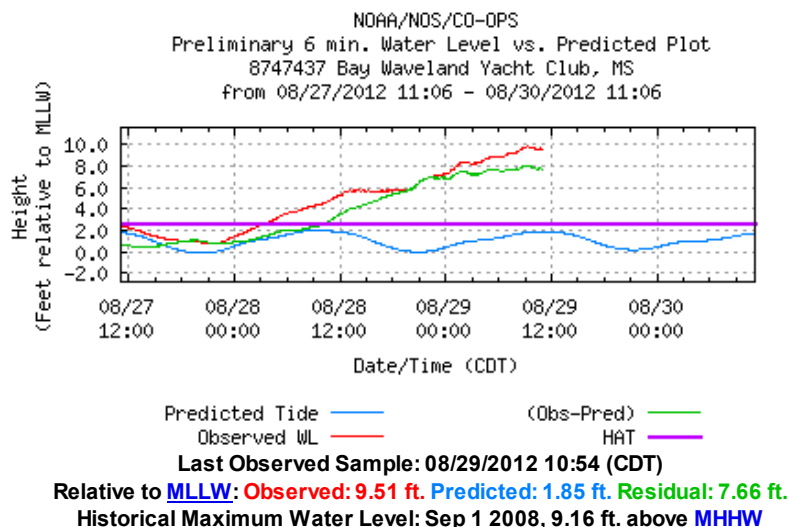
SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL CONTINUE TO AFFECT THE WEST COAST OF FLORIDA AND THE NORTHERN GULF COAST FOR THE NEXT DAY OR SO.

FORECASTER STEWART

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

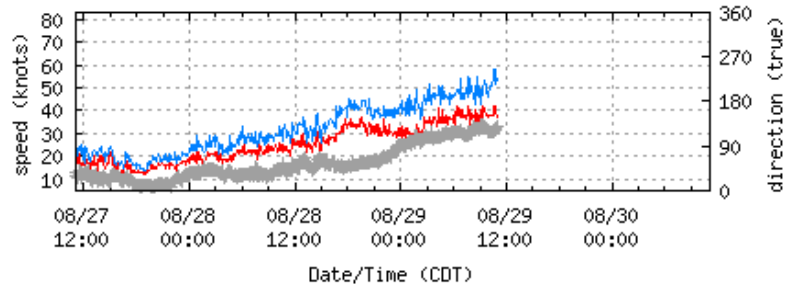
Jump to: [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Barometric](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Pilots Station East, SW Pass - Barometric](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Barometric](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Coast Guard Sector Mobile - Water Level](#), [Coast Guard Sector Mobile - Winds](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Barometric](#), [Pensacola - Water Level](#), [Pensacola - Winds](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#),

[Bay Waveland Yacht Club, MS](#) - [Return to List](#)



[Bay Waveland Yacht Club, MS](#) - [Return to List](#)

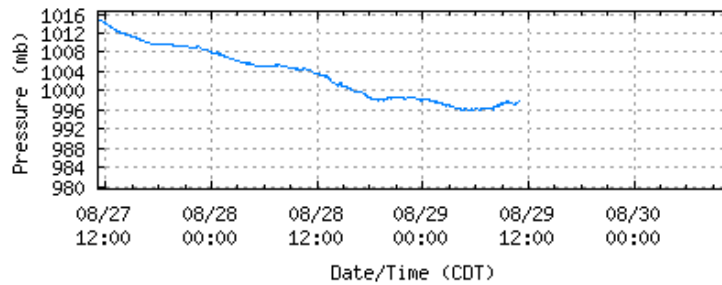
NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8747437 Bay Waveland Yacht Club, MS
from 08/27/2012 11:06 - 08/30/2012 11:06



speed — gusts — direction +
Last Observed Sample: 08/29/2012 10:54 (CDT)
Wind Speed: 37 knots Gusts: 54 knots Direction: 131° T

[Bay Waveland Yacht Club, MS - Return to List](#)

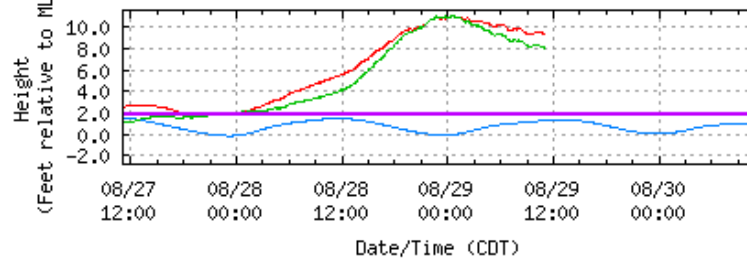
NOAA/NOS/CO-OPS
Barometric Pressure Plot
8747437 Bay Waveland Yacht Club, MS
from 08/27/2012 11:06 - 08/30/2012 11:06



barometric pressure —
Last Observed Sample: 08/29/2012 10:54 (CDT)
Barometric Pressure: 998.0 mb

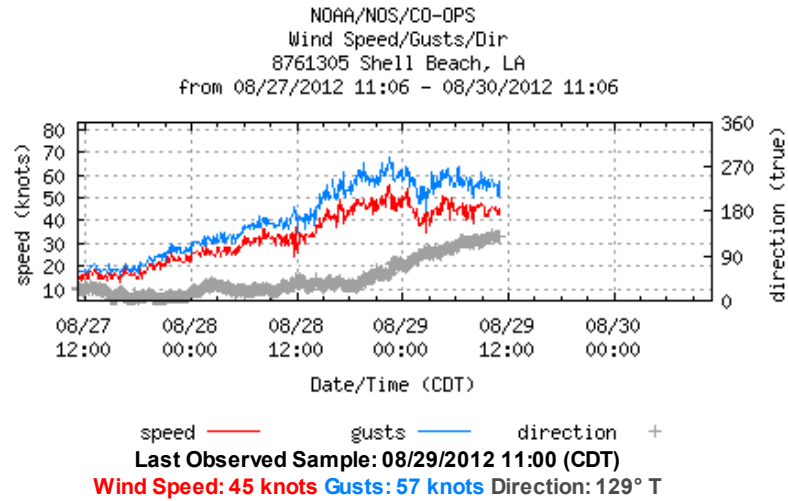
[Shell Beach, LA - Return to List](#)

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
8761305 Shell Beach, LA
from 08/27/2012 11:06 - 08/30/2012 11:06

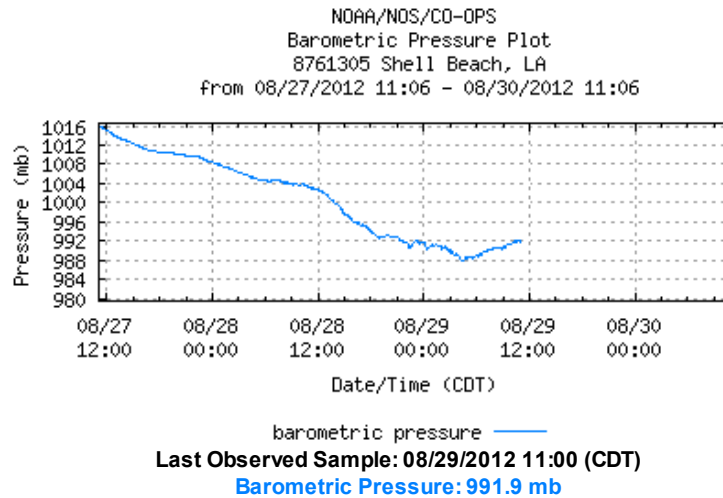


Predicted Tide — (Obs-Pred) —
Observed WL — HAT —
Last Observed Sample: 08/29/2012 11:00 (CDT)
Relative to MLLW: Observed: 9.34 ft. Predicted: 1.28 ft. Residual: 8.06 ft.
Historical Maximum Water Level: Sep 1 2008, 8.78 ft. above MHHW

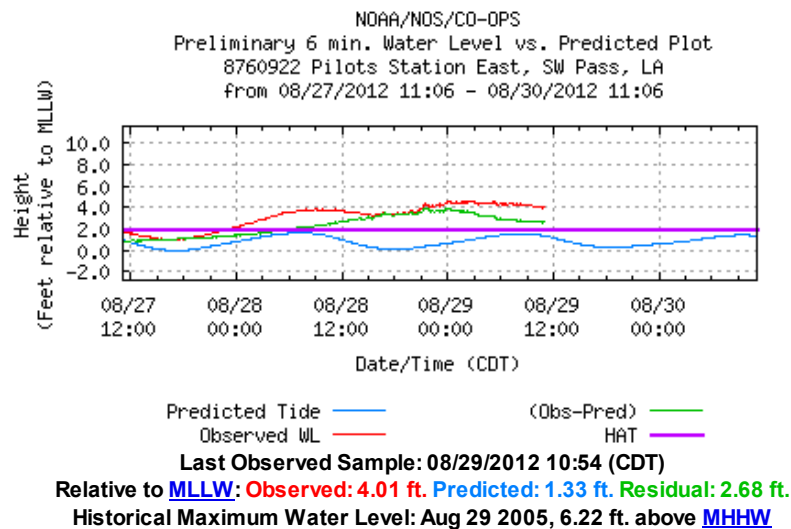
[Shell Beach, LA - Return to List](#)

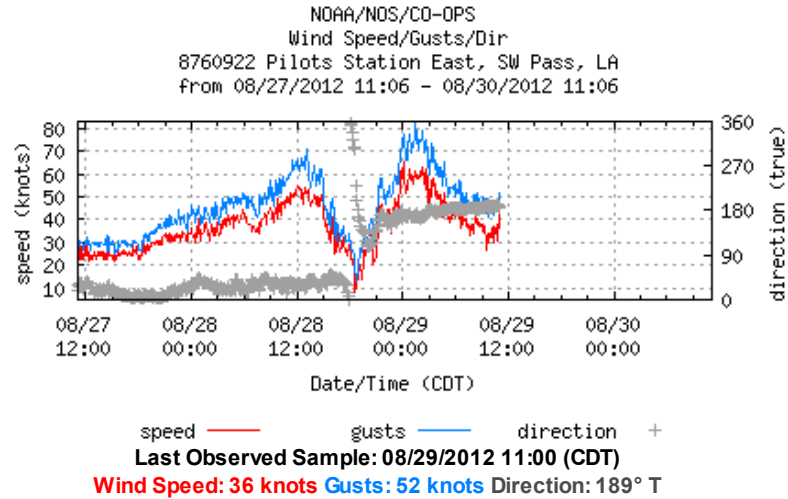
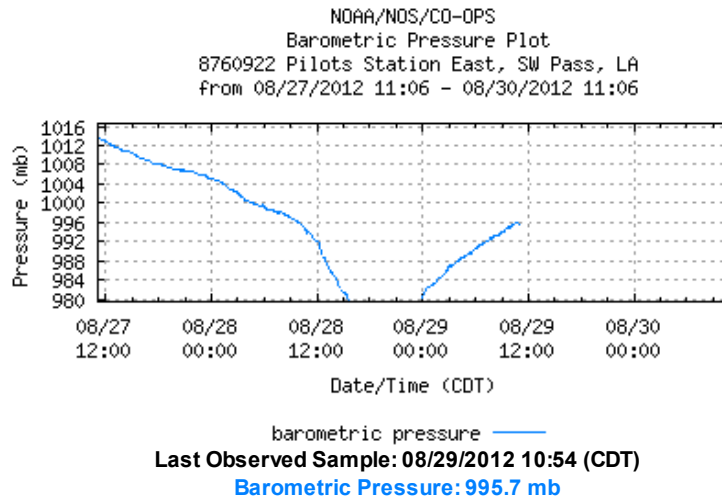
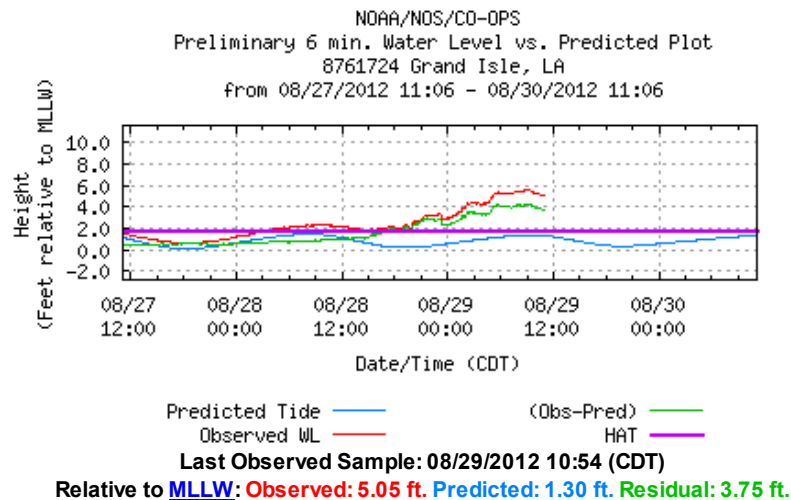


[Shell Beach, LA - Return to List](#)



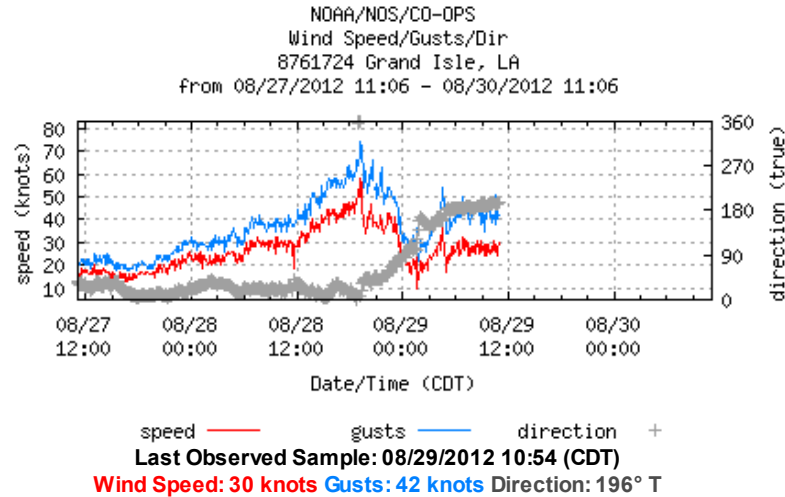
[Pilots Station East, SW Pass, LA - Return to List](#)



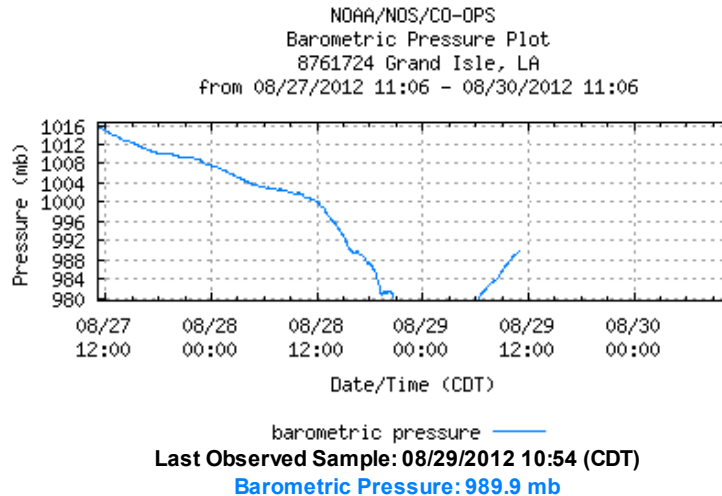
[Pilots Station East, SW Pass, LA](#) - [Return to List](#)[Pilots Station East, SW Pass, LA](#) - [Return to List](#)[Grand Isle, LA](#) - [Return to List](#)

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above [MHHW](#)

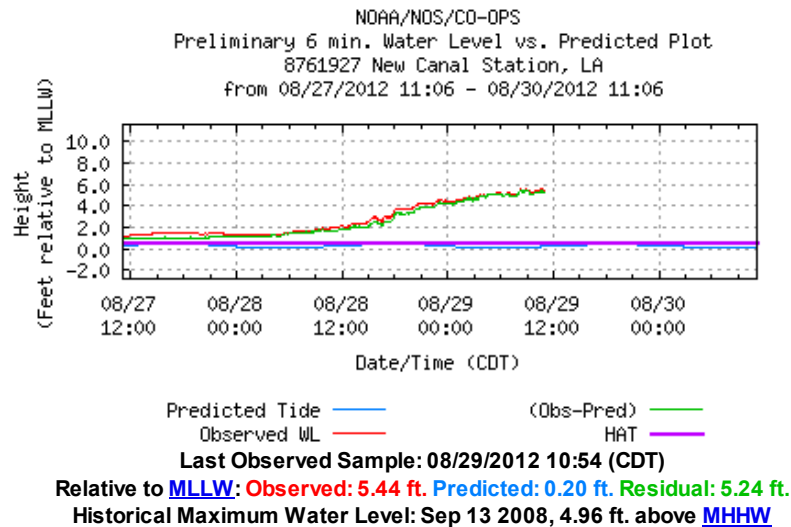
[Grand Isle, LA](#) - [Return to List](#)



[Grand Isle, LA](#) - [Return to List](#)

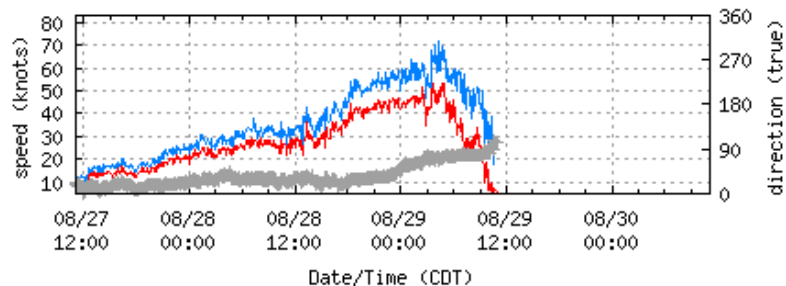


[New Canal Station, LA](#) - [Return to List](#)



[New Canal Station, LA - Return to List](#)

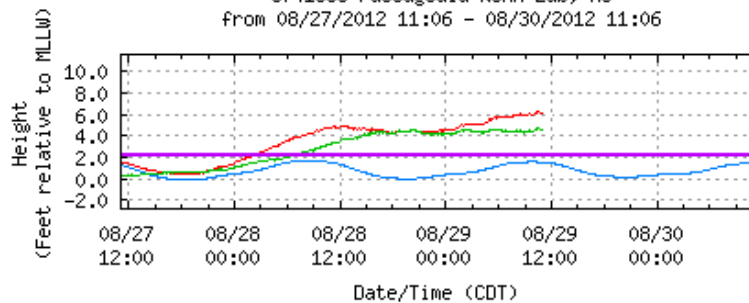
NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8761927 New Canal Station, LA
from 08/27/2012 11:06 - 08/30/2012 11:06



speed — gusts — direction +
Last Observed Sample: 08/29/2012 10:54 (CDT)
Wind Speed: 6 knots Gusts: 24 knots Direction: 104° T

[Pascagoula NOAA Lab, MS - Return to List](#)

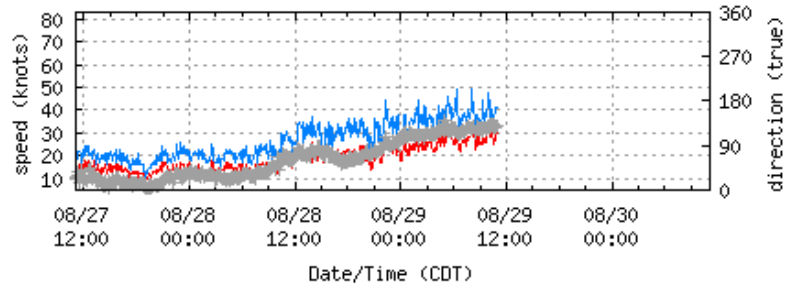
NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
8741533 Pascagoula NOAA Lab, MS
from 08/27/2012 11:06 - 08/30/2012 11:06



Predicted Tide — (Obs-Pred) —
 Observed WL — HAT —
Last Observed Sample: 08/29/2012 11:00 (CDT)
 Relative to **MLLW**: **Observed: 6.09 ft. Predicted: 1.53 ft. Residual: 4.56 ft.**
 Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above **MHHW**

[Dock C, Port of Pascagoula, MS - Return to List](#)

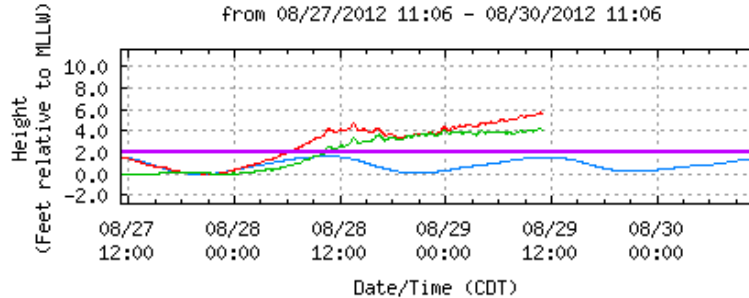
NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8741501 Dock C, Port of Pascagoula, MS
from 08/27/2012 11:06 - 08/30/2012 11:06



speed — gusts — direction +
Last Observed Sample: 08/29/2012 11:00 (CDT)
Wind Speed: 30 knots Gusts: 41 knots Direction: 130° T

[Coast Guard Sector Mobile, AL - Return to List](#)

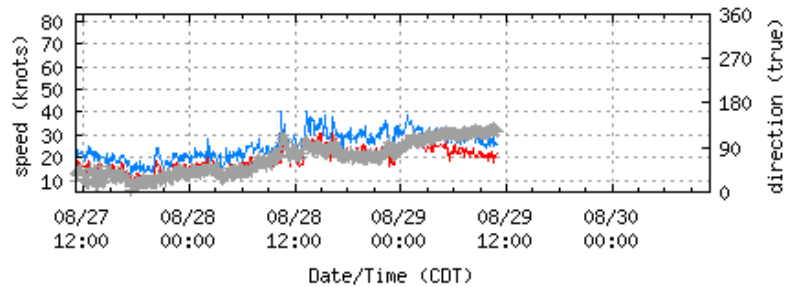
NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
8736897 Coast Guard Sector Mobile, AL
from 08/27/2012 11:06 - 08/30/2012 11:06



Predicted Tide — (Obs-Pred) —
Observed WL — HAT —
Last Observed Sample: 08/29/2012 10:54 (CDT)
Relative to MLLW: Observed: 5.63 ft. Predicted: 1.52 ft. Residual: 4.11 ft.
Historical Maximum Water Level: Sep 1 2008, 3.79 ft. above MHHW

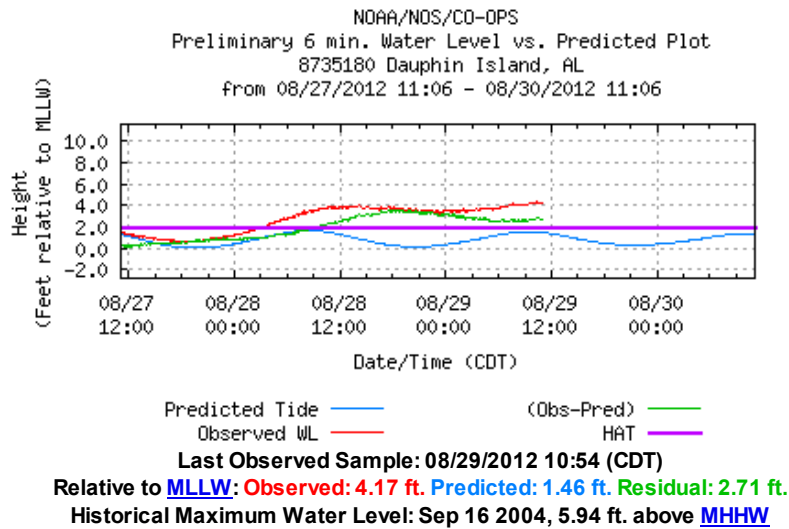
[Coast Guard Sector Mobile, AL - Return to List](#)

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8736897 Coast Guard Sector Mobile, AL
from 08/27/2012 11:06 - 08/30/2012 11:06

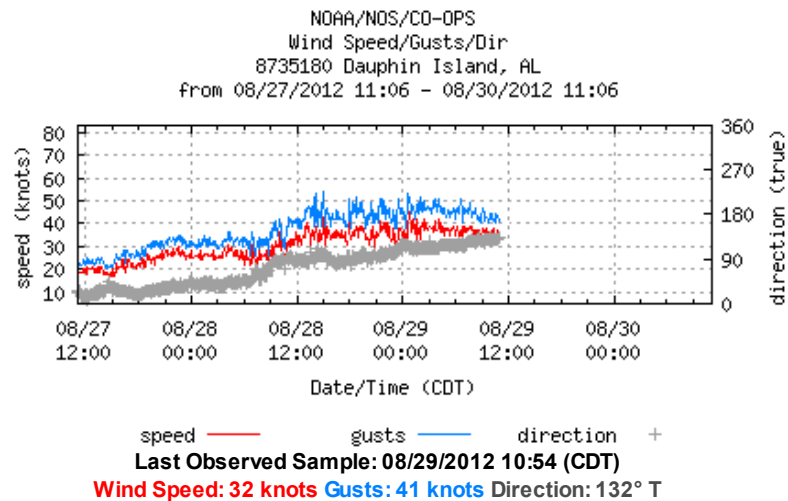


speed — gusts — direction +
Last Observed Sample: 08/29/2012 10:54 (CDT)
Wind Speed: 22 knots Gusts: 26 knots Direction: 124° T

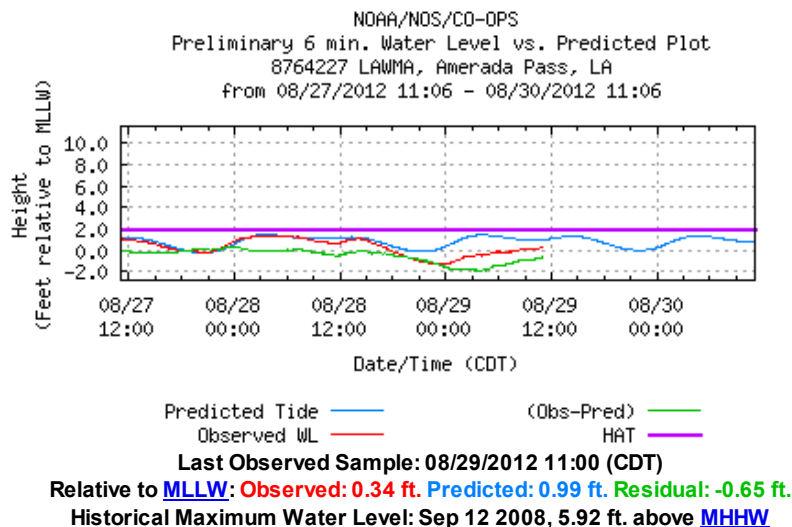
[Dauphin Island, AL - Return to List](#)

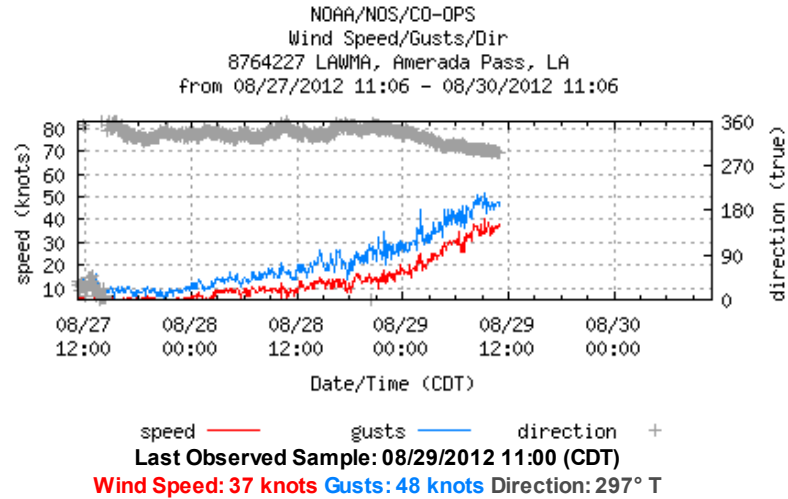
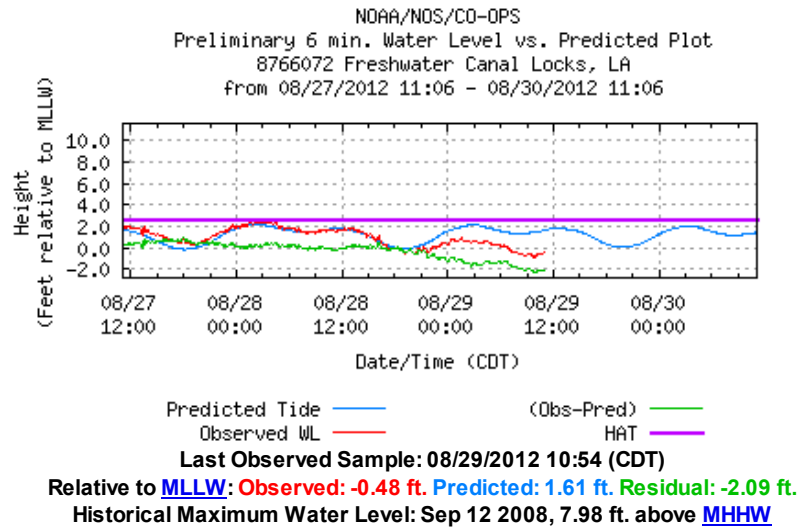
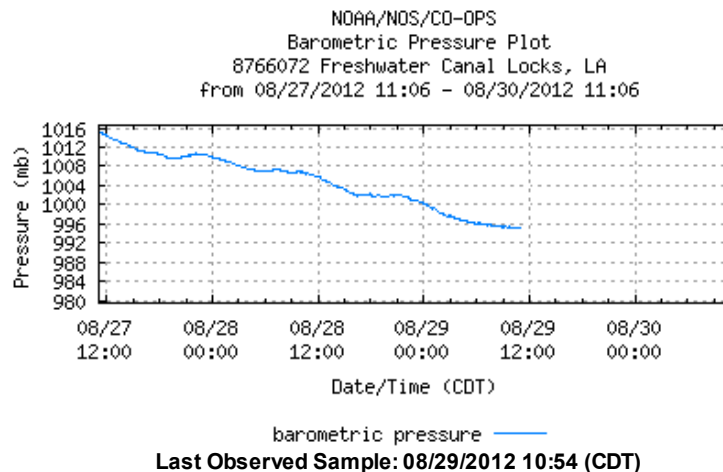


[Dauphin Island, AL - Return to List](#)

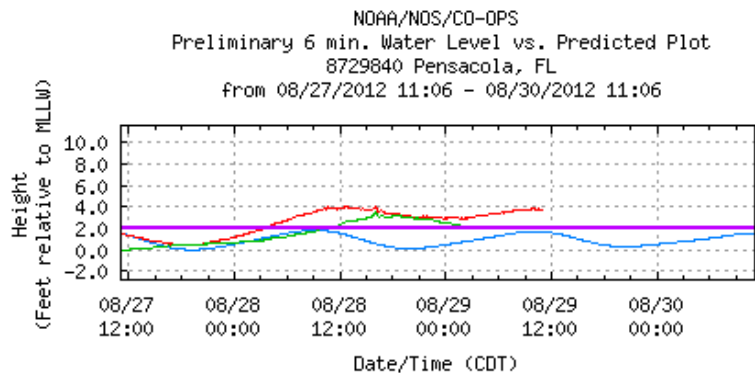


[LAWMA, Amerada Pass, LA - Return to List](#)

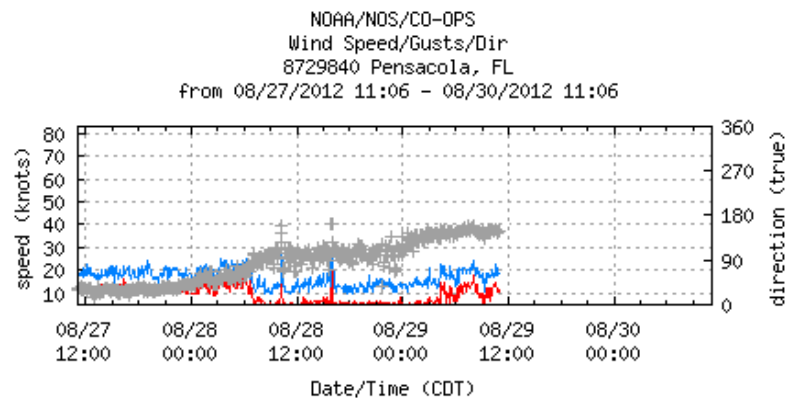


[LAWMA, Amerada Pass, LA - Return to List](#)[Freshwater Canal Locks, LA - Return to List](#)[Freshwater Canal Locks, LA - Return to List](#)

Barometric Pressure: 995.3 mb

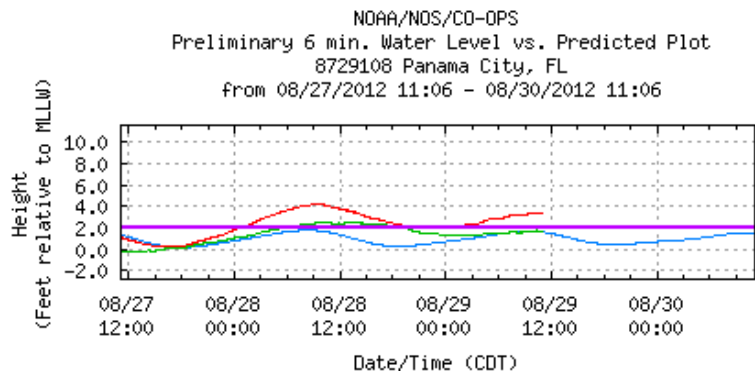
[Pensacola, FL](#) - [Return to List](#)

Last Observed Sample: 08/29/2012 10:54 (CDT)

Relative to **MLLW**: Observed: 3.77 ft. Predicted: 1.67 ft. Residual: 2.10 ft.Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above **MHHW**[Pensacola, FL](#) - [Return to List](#)

Last Observed Sample: 08/29/2012 10:54 (CDT)

Wind Speed: 11 knots Gusts: 19 knots Direction: 148° T

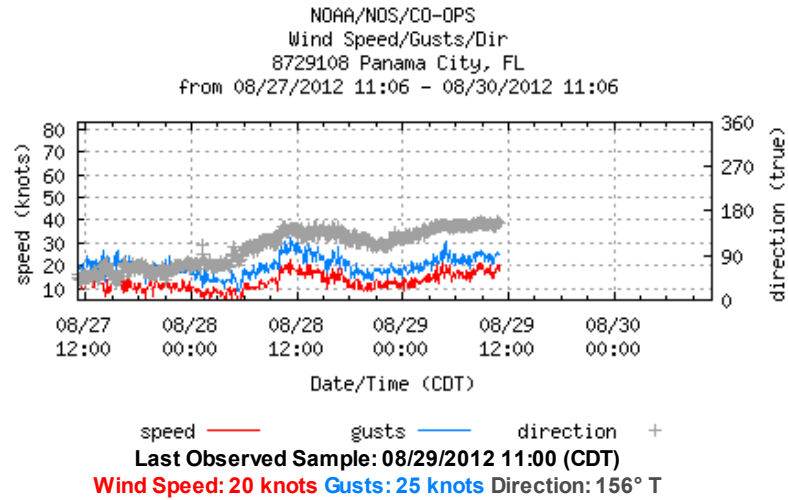
[Panama City, FL](#) - [Return to List](#)

Last Observed Sample: 08/29/2012 11:00 (CDT)

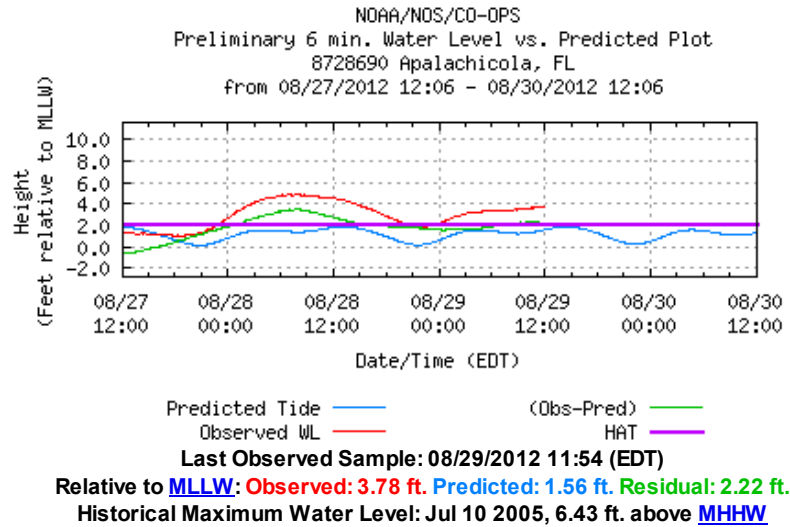
Relative to **MLLW**: Observed: 3.31 ft. Predicted: 1.59 ft. Residual: 1.72 ft.

Historical Maximum Water Level: Oct 4 1995, 5.72 ft. above [MHHW](#)

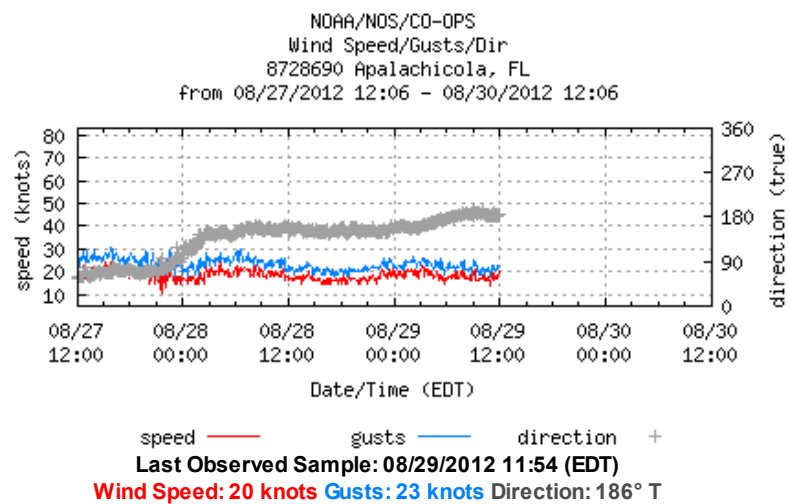
[Panama City, FL](#) - [Return to List](#)



[Apalachicola, FL](#) - [Return to List](#)



[Apalachicola, FL](#) - [Return to List](#)



Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce